

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



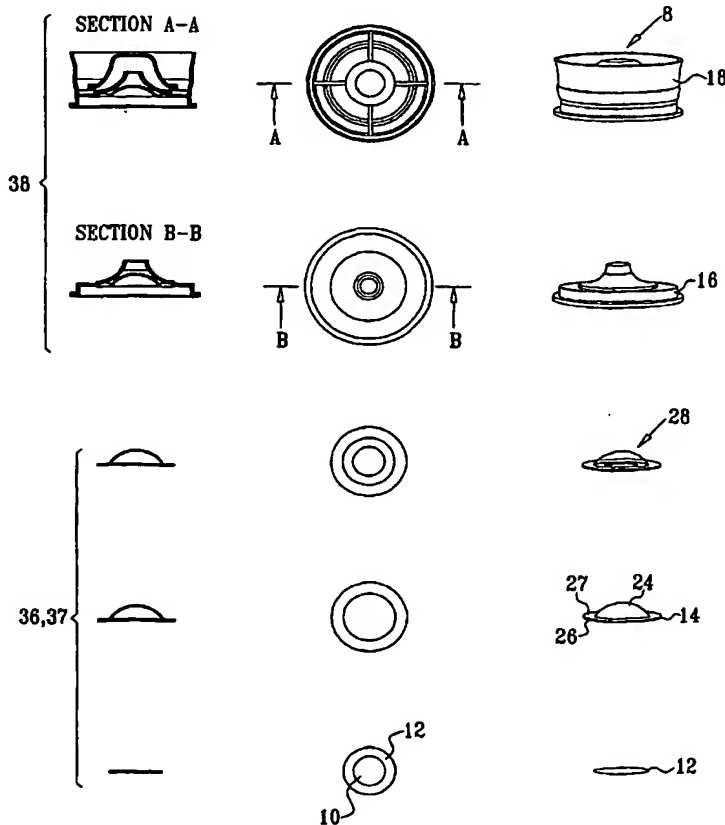
(43) International Publication Date
19 February 2004 (19.02.2004)

PCT

(10) International Publication Number
WO 2004/016035 A3

- (51) International Patent Classification⁷: **H01L 41/09**, [IL/IL]; 64 Pinkas Street, Apartment 115, 62155 Tel Aviv (IL).
41/053
- (21) International Application Number: PCT/IL2003/000660
- (22) International Filing Date: 7 August 2003 (07.08.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/402,241 8 August 2002 (08.08.2002) US
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

[Continued on next page]

(54) Title: **PIEZOELECTRIC LOUDSPEAKER**

(57) Abstract: A loudspeaker (8), including a piezoelectric disk (10) having a first diameter and a diaphragm disk (12) which is fixed to the piezoelectric disk. The diaphragm disk has a second diameter greater than the first diameter. The loudspeaker further includes a cover (14), consisting of a convex surface (24) bounded by an annulus (26,27), which mates with the diaphragm disk to form a generally plano-convex volume (28) between the diaphragm disk and the cover. A labyrinth (16, 18) is fixedly coupled to a circumference of the annulus to provide a path (34) for sound waves.



SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:

14 October 2004

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00660

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H01L 41/09, 41/053

US CL : 310/324, 328, 348

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 310/324, 328, 348

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST: JPO, EPO, US-PGUBS, DERWENT, IBM-TBD

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	FR 2 567 704 A1 (BARLEST) 17 January 1986 (17.01.1986), Figures 2-3.	1-21
Y	JP 3-273963 A (MORI et al) 05 December 1991 (05.12.1991), Figures 1-8.	1-21
A,P	US 6,568,502 B2 (CHANG) 27 May 2003 (27.05.2003), Figures 4-6.	1-21



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"&"

document member of the same patent family

Date of the actual completion of the international search

08 July 2004 (08.07.2004)

Date of mailing of the international search report

06 AUG 2004

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US

Commissioner for Patents

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